Message Text

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PAGE 01 IAEA V 04271 161707Z

10
ACTION OES-04

INFO OCT-01 IO-10 ISO-00 FEA-01 ACDA-05 CIAE-00 INR-07

   L-02 NSAE-00 NSC-05 EB-07 NRC-05 /047 W
              --------------------   058677
R 161459Z MAY 75
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC 5854
INFO AEC GERMANTOWN

C O N F I D E N T I A L IAEA VIENNA 4271
E.O. 11652: XGDS-1
TAGS: IAEA TECH PARM AORG OCON
SUBJECT: IAEA CONSULTATIONS MEETING ON COMPUTER-BASED SAFEGUARDS
     INFORMATION HANDLING, VIENNA, MAY 12-16, 1975

REF: IAEA VIENNA 3400

SUMMARY: FOLLOWING IS SUMMARY OF CONCLUSIONS AND
RECOMMENDATIONS OF SUBJECT MEETING, AND PROPOSED FOLLOWUP
ACTIONS RECOMMENDED BY MISSION. END SUMMARY.

1. SUBJECT MEETING WAS CONVENED TO REVIEW AND COMMENT ON
AGENCY'S WORK CARRIED OUT TO DATE AND ON PLANS FOR FUTURE
IN CONNECTION WITH THE TWO PARTS OF ITS COMPUTER-BASED
SYSTEM FOR SAFEGUARDS INFORMATION HANDLING, I.E., ACCOUNTING
PART BASED ON INFO RECEIVED IN FORM OF REPORTS FROM STATES
UNDER IAEA SAFEGUARDS, AND PART RELATED TO IMSPECTION/
VERIFICATION DATA.

2. U.S. EXPERTS ATTENDING WERE WILLIAM MURPHY, NBS, AND
DARRELL HYDE, OAK RIDGE COMPUTER CENTER. OTHER PARTICIPANTS
WERE: KSCHWENDT AND SCHMIDT FROM EURATOM, NISHIMURA FROM
JAPAN AERI, AND IAEA STAFF MEMBERS LOPEZ-MENCHERO,
GMELIN, PARSICK, LENDVAI, BUCHLER AND MIAH.

3. PRINCIPAL CONCLUSIONS AND RECOMMENDATIONS OF CONSULTATS
WERE AS FOLLOWS:

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PAGE 02 IAEA V 04271 161707Z

A. INPUT DATA PREPARATION IS POOR. GROUP RECOMMENDED

PREPARATION OF USERS MANUAL TO SIMPLIFY CODE 10, WHICH
WOULD REQUIRE ABOUT SIX MONTHS' EFFORT, AND A TRAINING
PROGRAM FOR BOTH MEMBER STATE AND AGENCY PERSONNEL
ASSOCIATED WITH ADP FROM PREPARATION AND/OR CORRECTION.

B. THERE IS A SERIOUS INPUT BACKLOG. GROUP RECOMMENDED
AN ANALYSIS OF INPUT EDIT ERROR DISTRIBUTION (THIS WAS DONE
EURING MEETING), MOFIFICATION OF INPUT ERROR TREATMENT
(ABOUT ONE MONTH'S EFFORT), FORMATION OF TASK FORCE TO REMOVE
BACKLOG (ABOUT SIX MONTHS' EFFORT), AND STREAMLINING OF
DATA HANDLING. THIS IS ESSENTIAL TO CREDIBILITY OF OUTPUT.

C. RELEASE ONE PROGRAM IS NOT YET TESTED BY INSPECTOR
USAGE. GROUP RECOMMENDED THIS BE DONE AS SOON AS POSSIBLE.

D. CURRENT SYSTEM DESIGN DOES NOT ALLOW OPERATION OF
RELEASE ONE PROGRAMS ON BEST DATA AVAILABLE IN SYSTEM.
BROUP RECOMMENDED MODIFICATION OF INPUT EDIT ERROR TREATMENT,
AS NOTED ABOVE, MODIFICATION OF SYSTEM TO PERMIT OPERATION
OF ALL RELEASE ONE PROGRAMS ON FEED STORAGE DATA BASE,
MODIFICATION TO ALLOW "BY DIFFERENCE CORRECTION PROCEDURE"
IN FEED STORAGE, AND AMENDMENT OF ALL OMMITTED LINE ITEMS
WITH ERROR TYPE IDENTIFICATION TO PROGRAM OUTPUTS.
(THIS INVOLVES ABOUT 2 MONTHS' EFFORT AND IS CONSIDERED
ESSENTIAL).

4. FOLLOWING IS BRIEF REPORT ON STATUS OF RECOMMENDATIONS
MADE BY SIMILAR CONSULTANTS GROUP IN OCTOBER 1973:

A. GET RELEASE ONE OPERATIONAL AS SOON AS POSSIBLE. NOT
REP NOT ACHIEVED. ALL RELEASE ONE ACCOUNTING REPORTS
BASED ON BEST AVAILABLE DATA ARE NOT RPT NOT YET IN HANDS
OF INSPECTORS.

B. GET SYSTEM DOCUMENTED. NOT RPT NOT ACHIEVED. GROUP
BELIEVES THIS IS ESSENTIAL AND SHOULD BE DONE WITHIN SIX
MONTHS.

C. INSTITUTE INSPECTOR'S USERS GROUP. ACHIEVED IN
PART THROUGH THE WEEKLY IG MEETINGS.
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PAGE 03 IAEA V 04271 161707Z

D. HAVE PERIODIC CONSULTATIONS WITH EXPERTS. BY PRESENT
MEETING, THIS HAS BEEN ACHIEVED.

E. INDEPENDENCE OF INPUT-OUTPUT IN ADP. ACHIEVED.

F. SUPPORT PROGRAMMING. ADOPTED VERY RECENTLY. ONLY
ONE ADDITIONAL PROGRAMMER HAS BEEN BROUGHT INTO THE PROGRAM

FOR CONTINUED SUPPORT.

G. ASSESSMENT OF FUTURE COMPUTER NEEDS. ADOPTED. THE
AGENCY'S COMPUTER CENTER HAS BEEN KEPT INFORMED OF FUTURE
HARDWARE NEEDS FOR SAFEGUARDS PROGRAMS.

H. PRIORITY COMPUTER PROCESSING. ADOPTED.

I. AUTOMATIC APPLICATION OF "A-PROCEDURE" FOR INPUT
EDIT ERRORS. NOT RPT NOT ACHIEVED. INCLUSION OF DATA
IN BACKGROUND DATA BASE CONTINUES TO BE VERY SLOW.

J. RETROACTIVE IMPLICATIONS OF CORRECTIONS. ACHIEVED.

K. PERSONNEL SECURITY FOR SAFEGUARDS NEEDS. NOT RPT NOT
CONSIDERED BY THIS CONSULTANT'S MEETING.

L. ROUTINE EXCHANGE OF EXPERIENCE, ANALYSIS MODULES AND PROCESS
ALGORITHMS. NOT RPT NOT IMPLEMENTED. HOWEVER, THIS FACTOR IS
NOT RPT NOT HINDERING IMPLEMENTATION OF RELEASE ONE.

M. OPERATIONAL COLLECTION OF SCHEDULED DATA ELEMENTS.
NO RPT NO CHANGE IN STATUS. GROUP BELIEVES EFFORTS SHOULD
CONTINUE TO OBTAIN ALL SCHEDULED DATA ELEMENTS.

N. ASSESSMENT OF POTENTIAL COMPUTER HARDWARE RESTRICTION.
THERE ARE NOT RPT NO CURRENT COMPUTER HARDWARE
RESTRICTIONS.

O. ASSIGNMENT OF ADDITIONAL RESOURCES TO ACCELERATE ADP
TASK COMPLETION. ADOPTED ONLY VERY RECENTLY, ALTHOUGH
ACCELERATION OF TASK HAS NOT RPT NOT BEEN ACHIEVED SO FAR.

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PAGE 04 IAEA V 04271 161707Z

5. COMMENT: BASED ON DISCUSSIONS WITH U.S. EXPERTS ATTENDING
THIS MEETING, IT IS CLEAR THAT THERE IS SERIOUS CONCERN AT
SLOW PACE AT WHICH THIS PROGRAM IS MOVING AND THAT AGENCY
MUST STEP UP ITS EFFORTS IN DEVELOPING ADP SAFEGUARDS SYSTEM
IN ORDER TO ACHIEVE TRULY CREDIBLE SAFEGUARDS. MISSION
SHARES THIS CONCERN AND PROPOSES TO FOLLOW-UP
PERIODICALLY WITH ROMETSCH ON PROGRESS BEING MADE,
AND IF WE CONTINUE TO SEE LACK OF SUCH PROGRESS WITHIN
REASONABLE TIME, WE WOULD THEN PROPOSE THAT
CONSIDERATION BE GIVEN TO RAISING MATTER IN BOARD
OR AT ADMINISTRATIVE AND BUDGETARY COMMITTEE MEETING
NEXT SPRING. WE DOUBT LATTER ACTION WILL BE NECESSARY,
BECAUSE WE SENSE FROM RECENT DISCUSSIONS WITH ROMETSCH AND
NAKICENOVIC THAT THERE IS NOW A GROWING REALIZATION THAT
THINGS ARE NOT RPT NOT GOING WELL IN THIS AREA, AND WE

THINK, THEREFORE, THAT CORRECTIVE STEPS WILL BE TAKEN
IN TIME. WE PLAN TO FOLLOW MATTER CLOSELY, HOWEVER,
TO MAKE SURE THAT THIS HAPPENS. WE AMY ALSO CONSIDER
REQUESTING ONE OF U.S. EXPERTS TO RETURN WITHIN FEW
MONTHS TO HELP US RE-ASSESS SITUATION. END COMMENT.LEAHY

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Margaret P. Grafeld
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